

DUAL FUNCTION CONSOLE LAMP WITH INTEGRATED SWITCHING

Abstract

Dual function console lighting with integrated switching includes a lamp housing held by a retainer within a bezel secured to a vehicle interior. The lamp housing includes eccentrically positioned collinear pivot arms relative to a central longitudinal axis of a lamp positioned within the housing. The pivot arms engage the retainer to hold the lamp housing within the retainer while allowing the lamp housing to pivot relative to the plane of the retainer. The retainer is rotatably held within the bezel by a plurality of snap features spaced around its circumference, allowing the lamp housing and retainer to rotate. A latching mechanism holds the lamp housing in a retracted position with a lens of the housing preferably substantially flush relative to immediately surrounding portions of the bezel. A spring provides a force to pivot the housing about the pivot arms to a second position when the latch is released. An integrated switch is operated by movement of the housing between the first and second positions to turn the lamp on in the extended position. A second switch is provided to select

manual or automatic operation of the lamp when in the retracted position. Automatic operation may be actuated by a remotely located auxiliary switch, such as a door switch, for example. The lamp housing preferably includes an integrated lens that includes a protrusion to facilitate rotation of the housing within the re-tainer. A dimple may also be providing in the lens to facilitate operation of the integrated switch.